

**1 DECLARATION AND POWER OF ATTORNEY - USA PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **NEW PROCEDURE TO BLOCK THE REPLICATION OF REVERSE TRANSCRIPTASE DEPENDENT VIRUSES BY THE USE OF INHIBITORS OF DEOXYNUCLEOTIDES SYNTHESIS**; the specification of which was filed on May 17, 1994 as Application Serial No. 08/245,259.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S.A. Application(s)

Serial No.: 08/065,815  
Status: Pending

Filing Date: May 21, 1993

**POWER OF ATTORNEY:** I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith (if this application is assigned, I acknowledge that the appointed individuals do not represent me, and that instead they represent the assignee): James C. Haight, 25,588; Gloria Richmond, 30,416; David R. Sadowski, 32,808; Robert Benson, 33,612; Jack Spiegel, 34,477; Laurence J. Hyman, 35,551; Susan S. Rucker, 35,762; Denise Bernstein, 35,787; Ann Hobbs, 36,830; and Arthur J. Cohn, 37,800,

as principal attorneys with an associate power to Ned A. Israelsen, Reg. No. 29,655; Gerard von Hoffmann, Reg. No. 33,043; Daniel E. Altman, Reg. No. 34,115; Andrew H. Simpson, Reg. No. 31,469; Anita M. Kirkpatrick, Reg. No. 32,617; Michael L. Fuller, Reg. No. 36,516; Myra H. McCormack, Reg. No. 36,602; Michael F. Fedrick, Reg. No. 36,799; and Nancy Ways Vensko, Reg. No. 36,298, of the law firm of Knobbe, Martens, Olson and Bear.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

-----  
Full name of sole or first inventor: Franco Lori

Inventor's signature \_\_\_\_\_

Date 7.15.94

Residence: Bethesda, Maryland

Citizenship: Italian

Post Office Address: 4977 Battery Lane, Bethesda, MD 20814

Full name of second inventor: Andrea Cara

Inventor's signature \_\_\_\_\_

Date 7/15/84

Residence: Rockville, Maryland

Citizenship: Italian

Post Office Address: 5804 Stillwell Road, Rockville, MD 20851

Full name of third inventor: Wen-Yi Gao

Inventor's signature Wen-Yi Gao

Date 7/15/94

Residence: Rockville, Maryland

Citizenship: Chinese

Post Office Address: 12907 Crookston Lane, Apt. 34,  
Rockville, MD 20851

Full name of fourth inventor: Robert C. Gallo

Inventor's signature R. Gallo

Date 7.15.94

Residence: Bethesda, Maryland

Citizenship: United States of America

Post Office Address: 8513 Thornden Terrace, Bethesda, MD 20819

NSB-1666

Send Correspondence To:  
KNOBBE, MARTENS, OLSON & BEAR  
620 Newport Center Drive  
Sixteenth Floor  
Newport Beach, CA 92660-8016

Direct Telephone Calls To:  
Daniel E. Altman

(714) 760-0404

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As a below named inventor, I hereby declare that:

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I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **NEW PROCEDURE TO BLOCK THE REPLICATION OF REVERSE TRANSCRIPTASE DEPENDENT VIRUSES BY THE USE OF INHIBITORS OF DEOXYNUCLEOTIDES SYNTHESIS**; the specification of which was filed on May 17, 1994 as Application Serial No. 08/245,259.

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I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S.A. Application(s)

Serial No.: 08/065,814

Filing Date: May 21, 1993

Status: Abandoned

**POWER OF ATTORNEY:** I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith (if this application is assigned, I acknowledge that the appointed individuals do not represent me, and that instead they represent the assignee): James C. Haight, 25,588; Gloria Richmond, 30,416; David R. Sadowski, 32,808; Robert Benson, 33,612; Jack Spiegel,

34,477; Laurence J. Hyman, 35,551; Susan S. Rucker, 35,762; and Arthur J. Cohn, 37,800, as principal attorneys with an associate power to Ned A. Israelsen, Reg. No. 29,655; Gerard von Hoffmann, Reg. No. 33,043; Daniel E. Altman, Reg. No. 34,115; Andrew H. Simpson, Reg. No. 31,469; Anita M. Kirkpatrick, Reg. No. 32,617; Michael L. Fuller, Reg. No. 36,516; Michael F. Fedrick, Reg. No. 36,799; and Nancy Ways Vensko, Reg. No. 36,298, of the law firm of Knobbe, Martens, Olson and Bear.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

-----  
Full name of sole or first inventor: Franco Lori

Inventor's signature \_\_\_\_\_

Date 6.29.95

Residence: Parma, Italy

Citizenship: Italian

Post Office Address: Via Moletolo, 95, 43100, Parma, Italy

Full name of second inventor: **Andrea Cara**

Inventor's signature *Alh Car*

Date June 21, 1995

Residence: **Rockville, Maryland**

Citizenship: **Italian**

Post Office Address: **5804 Stillwell Road, Rockville, MD 20851**

Full name of third inventor: **Wen-Yi Gao**

Inventor's signature *Wen-Yi Gao*

Date June 19, 1995

Residence: **Rockville, Maryland**

Citizenship: **Chinese**

Post Office Address: **12907 Crookston Lane, Apt. 34,  
Rockville, MD 20851**

Full name of fourth inventor: **Robert C. Gallo**

Inventor's signature *Robert C Gallo*

Date June 27, 1995

Residence: **Bethesda, Maryland**

Citizenship: **United States of America**

Post Office Address: **8513 Thornden Terrace, Bethesda, MD 20819**

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Send Correspondence To:  
KNOBBE, MARTENS, OLSON & BEAR  
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Sixteenth Floor  
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Direct Telephone Calls To:  
Daniel E. Altman

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Lori et al. )  
 Serial No. : 08/245,259 )  
 Filed : May 17, 1994 )  
 Title : NEW PROCEDURE TO BLOCK THE )  
 REPLICATION OF REVERSE )  
 TRANSCRIPTASE DEPENDENT VIRUSES )  
 BY THE USE OF INHIBITORS OF )  
 DEOXYNUCLEOTIDES SYNTHESIS )  
 Art Unit : 1802 )  
 Examiner : Unknown )

POWER OF ATTORNEY BY ASSIGNEE UNDER 37 C.F.R. § 3.73(b)  
 AND  
 EXCLUSION OF INVENTOR UNDER 37 C.F.R. § 3.71

Hon. Commissioner of Patents  
 and Trademarks  
 Washington, D.C. 20231

Dear Sir or Madam:

The United States Department of Health and Human Services is assignee of the entire right, title and interest in and to the above-identified application, as shown by the assignment recorded on July 22, 1994, at Reel 7062, Frame 0601, in the patent assignment records of the U.S. Patent and Trademark Office. This recorded Assignment has been reviewed by the undersigned, who certifies that, to the best of his or her knowledge and belief, title is in the assignee.

Said assignee hereby appoints the following attorneys and agents as its representatives:

James C. Haight, 25,588; Gloria Richmond, 30,416; David R. Sadowski, 32,808; Robert Benson, 33,612; Jack Spiegel, 34,477; Laurence J. Hyman, 35,551; Susan S. Rucker, 35,762; Denise Bernstein, 35,787; Ann Hobbs, 36,830; and Arthur J. Cohn, 37,800.

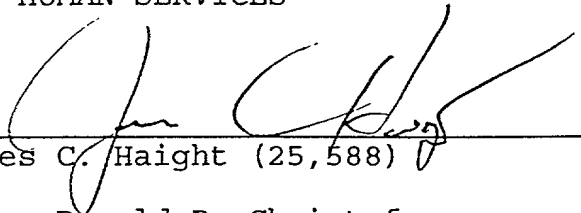
Said appointment is to the exclusion of the inventor(s) and their attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Serial No. : 08/245,259  
Filed : May 17, 1994

The National Institutes of Health Office of Technology Transfer has been duly delegated responsibility for such patent matters under the authority of the Department of Health and Human Services Secretary Louis W. Sullivan's May 21, 1991 memorandum appearing in the Friday, June 7, 1991 Federal Register Notices at Vol. 56, No. 110, pp. 26418-26419. The undersigned is authorized to exercise such authority in this matter.

Done on this 3rd day of November, 1994, at Rockville, Maryland.

UNITED STATES DEPARTMENT OF HEALTH  
AND HUMAN SERVICES

By:   
James C. Haight (25,588)

for: Donald P. Christoferson  
Acting Director  
Office of Technology Transfer  
National Institutes of Health  
6011 Executive Boulevard  
Rockville, MD 20852  
Telephone (301) 496-7056  
Facsimile (301) 402-0220

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100494



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Lori et al. )  
Serial No. : 08/245,259 )  
Filed : May 17, 1994 )  
Title : NEW PROCEDURE TO BLOCK THE )  
REPLICATION OF REVERSE )  
TRANSCRIPTASE DEPENDENT VIRUSES BY )  
THE USE OF INHIBITORS OF )  
DEOXYNUCLEOTIDES SYNTHESIS )  
Art Unit : 1802 )  
Examiner : Unknown )

## ASSOCIATE POWER OF ATTORNEY

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Dear Sir or Madam:

The undersigned attorney of record, pursuant to the provisions of 37 C.F.R. §§ 1.33 and 1.34, and M.P.E.P. § 402.02, hereby appoints the following representatives of the firm of Knobbe, Martens, Olson & Bear as associate attorneys in this application:

Ned A. Israelsen, Reg. No. 29,655; Gerard von Hoffmann, Reg. No. 33,043; Daniel E. Altman, Reg. No. 34,115; Andrew H. Simpson, Reg. No. 31,469; Anita M. Kirkpatrick, Reg. No. 32,617; Michael L. Fuller, Reg. No. 36,516; Myra H. McCormack, Reg. No. 36,602; Michael F. Fedrick, Reg. No. 36,799; Nancy Ways Vensko, Reg. No. 36,298; and AnneMarie Kaiser, Reg. No. 37,649, of the law firm of Knobbe, Martens, Olson and Bear.

Respectfully submitted,

*Robert Benson*

Printed Name: Robert Benson  
Registration No. 33,612  
National Institutes of Health  
Office of Technology Transfer  
Box OTT  
Bethesda, MD 20892-9902  
Telephone (301) 496-7056  
Facsimile (301) 402-0220

Dated: Dec 15, 1994  
DHHS CASE NO. E-157-93

DEA-6510:kw/121494